

197229

REDACTED VERSION

#1248

DATE 10-30-77

NAME		Omni	
ADDRESS		From Stockpile	
CITY		STATE	ZIP
SOLD BY		CASH	C.O.D.
CHARGE		ON ACCT.	MOSE. RETD.
PAID OUT		OMNI	

QUAN.	DESCRIPTION	PRICE	AMOUNT
1	1.5 Cy Rock		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
RECEIVED BY		TAX	
		TOTAL	

FM 2-4705 REV



709273

06-1248-401

026214

197224

SITE # 1248  
10 CY

DATE 10-26 1997

NAME		OMNI CONS.		OMNI	
ADDRESS		FROM STOCK PILE		ORDER NUMBER	
CITY		STATE		ZIP	
SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RETD.
				PAID OUT	

Item	QUAN.	DESCRIPTION	PRICE	AMOUNT
1	10	CY. SAND		
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
RECEIVED BY			TAX	
			TOTAL	

FM 2-4705 REV

026215

06-1248-401

# WESTBANK ACM REMOVAL PROJECT SAMPLE ANALYSIS CONFIRMATION USEPA START TEAM

FYI:

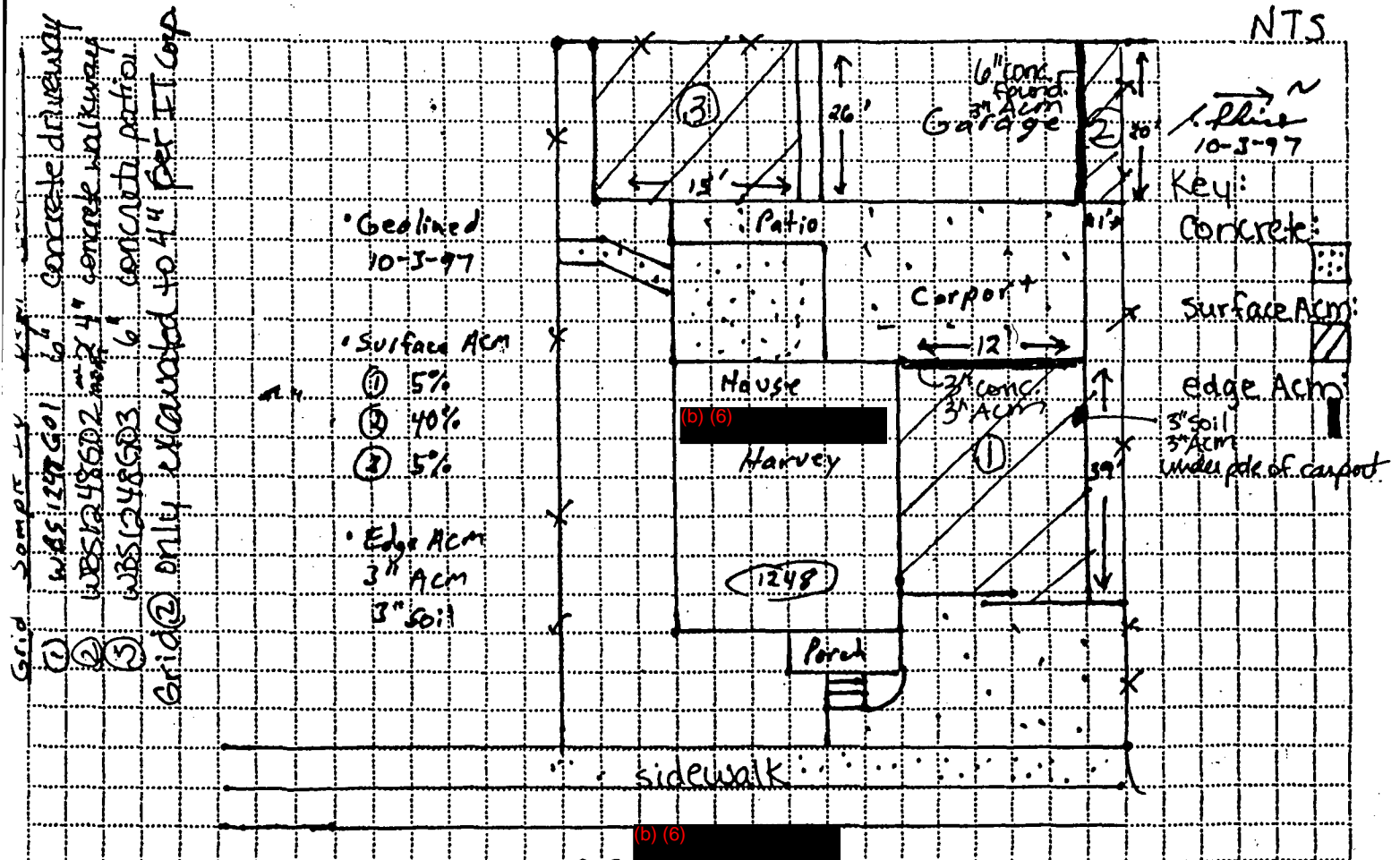
SITE# 1248

ADDRESS: (b) (6)  
Harvey

THE SAMPLE ANALYSIS RESULTS FOR THE ABOVE REFERENCED SITE WERE RECEIVED AND WERE EVALUATED BY THE USEPA START TEAM ON no analytical as of 10-3-97

BASED ON AN EVALUATION OF THE ANALYTICAL DATA, WE RECOMMEND THE FOLLOWING ACTION:

	GRID #:		1	2	3	4	5	6	7	8
A. PROCEED WITH RESTORATION:			✓	✓	✓					
B. FURTHER ACTION NECESSARY:										



026216

06-1248-060

AUTHORIZED EPA/START REPRESENTATIVE Jody T. Shroyer

**EMSL Analytical, Inc.**

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894

**EMSL**

Attn: Maggie Lin  
Ecology & Environmental  
11550 New Castle Avenue  
Baton Rouge, LA 70816

Tuesday, October 07, 1997

Ref Number: IN971295

**POLARIZED LIGHT MICROSCOPY (PLM)**

Performed by EPA 600/R-93/116 Method\*

Project: 020801 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	NONFIBROUS
WBS1455G04	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1%	Chrysotile Crocidolite		40% Quartz 60% Other
WBS1248G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1%	Chrysotile		80% Quartz 20% Other
WBS1248G02		Brown Non-Fibrous Homogeneous	Crushed	40%	Chrysotile		20% Quartz 40% Other
WBS1248G03		Brown Non-Fibrous Homogeneous	Crushed	2%	Chrysotile 1% Crocidolite		40% Quartz 57% Other
WBS1432G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1%	Chrysotile		40% Quartz 60% Other
WBS1312G01	(b) (6) GR	Brown Non-Fibrous Homogeneous	Crushed	30%	Chrysotile		40% Quartz 30% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

\* NY samples also analyzed by ELAP 198-1 Method

Jane Wasilewski  
Analyst

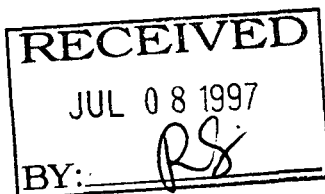
026217

Approved  
Signatory

Disclaimer: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-01).

3

06-1248-070



Tracking Number 1248

FIELD DATA SHEET 1

Site Information:

Occupant: (b) (6)	Interviewee: <u>Carl</u>
Address: (b) (6)	<u>Harvey</u>
Phone No.:	
Owner Name, Address, and Phone No. if Different Than Occupant:	

Site Description:

1) Description of property (circle): <u>single home</u> duplex; business; school; daycare; church; vacant house; vacant lot; other _____
2) Problems accessing yards (circle): locked gate; <u>gate</u> ; <u>dogs</u> ; other _____ resolution: _____
3) Underground utilities installed by owner? (circle): no; water; gas; electric; cable TV; septic tank; <u>other</u> <u>Swimming pool on SLAB suspected of ACM</u> Note location on site sketch.
4) Is any underground ACM present? (circle): yes; no; <u>don't know</u> If yes, note on site sketch. How deep? _____

Site Sketch:

Estimated Volume of ACM: \_\_\_\_\_

Comments:

Date/Time of Interview: 7/7/97 1620

Access Granted (circle): yes no

Team Members: 3/3/4

06-1248-010

026222



# NOTIFICATION OF DEMOLITION AND RENOVATION FORM

FORM AAC-2 REV 5/12/95

# of ADVF's Requested <b>6</b>	Parish # <b>1340</b>	Source # <b>85728</b>	ADVF #
<b>I. TYPE OF NOTIFICATION</b> (CIRCLE ONE) <b>ORIGINAL</b> REVISED CANCELED			
<b>II. FACILITY INFORMATION</b>		Contact: John Martin	
OWNER NAME: U.S. EPA Region 6		Telephone: 214-665-2270	
Mailing Address: 1445 Ross Ave			
City: Dallas	State: TX	Zip: 75202	
REMOVAL CONTRACTOR: Quality Environmental Constr.	La. Contractor's License #: 26445	DEQ ID #: 7S00008	
Address: 113 Ondine Lane			
City: Slidell	State: LA	Zip: 70456	
Contact: Gerald Avery	Telephone: 504-646-0039		
OTHER OPERATOR:	DEQ Project Designer #:		
Address:			
City:	State:	Zip:	
Contact:	Telephone:		
<b>III. TYPE OF OPERATION</b> (CIRCLE ONE) <b>Demo</b> Ordered Demo Renovation Emergency Reno			
<b>IV. IS ASBESTOS PRESENT?</b> (CIRCLE ONE) <b>YES</b> NO		Inspection Date: Jan. - Apr. 1996	
Inspector's Name: Debra Bendily (LDEQ)		Inspector's Accreditation #: 610685	
<b>V. FACILITY DESCRIPTION</b> (Include building name, number, and floor or room number)			
Building/Component Name: Home (1248)		Fire Marshall Project #:	
Street Address: (b) (6)			
City: Harvey	State: La.	Zip: 70058	Parish: Jefferson
Site Location: of Home		Telephone: NA	
Building Size: NA	# of Floors: NA	Age in Years: NA	
Present Use: NA		Prior Use: NA	
<b>VI. PROCEDURE INCLUDING ANALYTICAL METHOD IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL: Bulk Sampling - EPA Method 600/R-93/116</b>			
<b>VII. APPROXIMATE AMOUNT OF ASBESTOS, INCLUDING:</b> ① Regulated ACM to be removed 2. Category I ACM not removed 3. Category II ACM not removed	RACM to be Removed	Nonfriable Asbestos Material Not to be Removed	Indicate Unit Measurement Below
		Cat. I	Cat. II
Pipes		Ln Ft:	Ln m:
Surface Area	026223	Sq Ft:	Sq m:
Vol RACM off Facility Component		Cu Ft: 972	Cu yds: 36
<b>VIII. SCHEDULED DATES ASBESTOS REMOVAL (MM/DD/YY)</b>		Start: 8/26/97	Complete: 9/30/97
<b>IX. SCHEDULED DATES DEMO/RENOVATION (MM/DD/YY)</b>		Start: 8/26/97	Complete: 9/30/97

06-1248-200

**NOTIFICATION OF DEMOLITION AND RENOVATION FORM (continued)**

**X. DESCRIPTION OF PLANNED DEMOLITION OR RENOVATION WORK AND METHOD(S) TO BE USED:**

Excavation of residential properties utilizing standard construction techniques.

**XI. DESCRIPTION OF WORK PRACTICES AND ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS AT THE DEMOLITION AND RENOVATION SITE:**

Crew will excavate ACM using wet methods and no visible emissions for engineering control. Ambient air monitoring/sampling will be conducted.

**XII. WASTE TRANSPORTER #1**

Name: Beverly Industries, Inc.

Contact Person: A. J. Phillip, Sr.

Address: P. O. Box 9016 9 Mile Point

City: Bridge City

State: LA

Zip: 70094

Telephone#: (504)527-1686

**WASTE TRANSPORTER #2**

Name: B & S Equipment Co., Inc.

Contact Person: Billy Ryals

Address: 1713 Winchester Place

City: Harvey

State: LA

Zip: 70058

Telephone #: (504) 340-2091

**XIII. WASTE DISPOSAL SITE:**

Name: Jefferson Parish Landfill (Kelvin Landfill)

Location: 5800 Avondale 90 West

City: Avondale

State: LA

Zip: 70094

Telephone: (504)436-0244

**XIV. IF DEMOLITION ORDERED BY A GOVERNMENT AGENCY, PLEASE IDENTIFY THE AGENCY:**

Name:

Title:

Authority:

Date of order (MM/DD/YY)

Date ordered to begin (MM/DD/YY)

**XV. FOR EMERGENCY RENOVATIONS**

Date and hour of emergency (MM/DD/YY):

Description of the Sudden, Unexpected Event:

Explanation of how the event caused unsafe conditions or would cause equipment damage (or an unreasonable financial burden):

**XVI. DESCRIPTION OF PROCEDURES TO BE FOLLOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY NONFRIABLE ASBESTOS MATERIAL BECOMES CRUMBLED, PULVERIZED, OR REDUCED TO POWDER.**

Crew will use wet methods to control any visible emissions.

**XVII. I CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF THIS REGULATION (LAC 33:III, Chapter 27, Appendix A / 40 CFR PART 6, SUBPART M) WILL BE ON-SITE DURING THE DEMOLITION OR RENOVATION AND EVIDENCE THAT THE REQUIRED TRAINING HAS BEEN ACCOMPLISHED BY THIS PERSON WILL BE AVAILABLE FOR INSPECTION DURING NORMAL BUSINESS HOURS.**

*R. Clifford*  
(Signature of Owner/Operator/Contractor)

on behalf of EPA

8/21/97

(Date)

**XVIII. I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT.**

*R. Clifford*  
(Signature of Owner/Operator/Contractor)

on behalf of EPA

8/21/97

(Date)

PURSUANT TO R.S.40:1574 A & B, BE ADVISED THAT NO CONSTRUCTION OR RENOVATION CAN BEGIN UNTIL THE PLANS AND SPECIFICATIONS ARE REVIEWED BY THE OFFICE OF THE STATE FIRE MARSHALL OR IT IS DETERMINED BY THAT OFFICE THAT PLANS ARE NOT REQUIRED TO BE SUBMITTED.

REMIT TO: DEQ/AIR QUALITY DIV. P.O. BOX 82135 BATON ROUGE 70884-2135 TELEPHONE# (504) 765-0895

026224

06-1248-200

1248

CONSENT FOR ACCESS TO PROPERTY  
WESTBANK ASBESTOS SITE

Property Owner's Name: (b) (6)

Property's Address: (b) (6)

State/Zip: \_\_\_\_\_

Phone Number(s): \_\_\_\_\_

Harvey  
361-3239

I hereby consent to officers, employees, and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to my property for the following purposes:

1. The taking of such soil, water and air samples as may be determined to be necessary;
2. Other actions related to the investigation of surface or subsurface contamination;
3. The performance of a response action including, but not limited to, the following actions:
  - a. Use of mechanical equipment (e.g. small bulldozers, backhoes, or trackhoes and trucks) on the property;
  - b. Removal of asbestos-contaminated material from the property;
  - c. Replacement of removed asbestos-containing material with a like-material (i.e., clean fill, crushed limestone) and regrading of the replaced material to the property's original grade;
  - d. The replacement with locally-available vegetation of any sod, bushes, or trees whose removal was a necessary part of the removal action, and;
  - e. The taking of other actions necessary to mitigate releases or threats of releases of hazardous substances, pollutants or contaminants from the property.

I realize that these actions are undertaken pursuant to EPA's response responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act, as amended (CERCLA), 42 U.S.C. § 9601 et seq. Under those authorities, EPA can only remediate and restore contaminated property, and it legally cannot improve a property beyond removing hazardous substances located on such a property.

This written permission is given by me voluntarily with knowledge of my right to refuse and without threats or promises of any kind. By signing this access agreement I am not waiving any rights in law or in equity I may have against any person or party in connection with the response action EPA will perform.

7-7-97  
DATE

(b) (6)

SIGNATURE

026225

06-1248-020



STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
P.O. Box 82135  
Baton Rouge, Louisiana 70884-2135

ADV# NO. 98443 00 A  
PRI:LOW  
FACILITY CODE  
1340 83728 554

ASBESTOS DISPOSAL VERIFICATION FORM

PROJECT LOCATION & STREET ADDRESS - ZIP 1248 (b) (6)	3) ISSUE DATE 08/25/97
PROJECT PHONE ( )	4) EXPIRATION DATE 11/25/97
CONTRACTOR'S NAME & MAILING ADDRESS - ZIP QUALITY ENVIRON. CONTRACTORS 113 OUDINE LANE SLIDELL - LA - 70458	7) PROJECT START DATE 08/24/97
CONTRACTOR'S PHONE (504) 646 0039	PROJECT COMPLETE DATE 09/30/97
OWNER'S NAME AND MAILING ADDRESS - ZIP JOHN MANSVILLE PROJ2 WESTBANK MULTIPLE SITES - LA - 70000	11) ESTIMATED ACM QUANTITY 0 FT0 80 FT972 CU FT
OWNER PHONE (214) 645 2270	12) DESIGNATED DISPOSAL SITE AMER WASTE-JEFF PAR
5) PRINTED/TYPED NAME THOMAS F. AIRHART, SR.	14) SIGNATURE <i>THOMAS F. AIRHART, SR.</i>
***** OWNER/OPERATOR 1) WASTE TRANSPORTER RES. EQUI - C.G.	16) QUANTITY SHIPPED 1. 10
2) DISPOSAL SITE AMER WASTE-JEFF PAR LANDFILL	17) DATE PROJECT COMPLETED 10/12/97
3) DATE SHIPPED 1-10-97	SHIPPING CLASSIFICATION Asbestos, Class 9, NA2212.111 RD - 1 lb (.454 Kg)
4) PRINTED/TYPED NAME Joaquin Martinez	21) SIGNATURE <i>Joaquin Martinez</i>
***** TRANSPORTER 1) DATE RECEIVED 10/12/97	23) DATE DELIVERED 10/12/97
2) PRINTED/TYPED NAME Joaquin Martinez	25) SIGNATURE <i>Joaquin Martinez</i>
***** LANDFILL 5) QUANTITY RECEIVED	27) DATE BURIED
6) PRINTED/TYPED NAME	29) SIGNATURE
***** 7) SPECIAL CONDITIONS OR COMMENTS	

U26235

06-1248-300



STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
P.O. Box 82135  
Baton Rouge, Louisiana 70804-2135

ADVF NO. 98443 01 B  
PRIORITY  
FACILITY CODE  
1340 85728 554

ASBESTOS DISPOSAL VERIFICATION FORM

1) PROJECT LOCATION & STREET ADDRESS - ZIP

1248

(b) (6)

PROJECT PHONE ( )

2) CONTRACTOR'S NAME & MAILING ADDRESS - ZIP

QUALITY ENVIRON. CONTRACTORS  
113 OGDINE LANE  
SLIDELL - LA - 70458

CONTRACTOR'S PHONE (504) 646 0039

3) OWNER'S NAME AND MAILING ADDRESS - ZIP

JOHN MANSVILLE PROJ2  
WESTBANK  
MULTIPLE SITES - LA - 70000

OWNER PHONE (214) 665 2270

4) PRINTED/TYPED NAME

THOMAS F. AIRHART, SR.

\*\*\*\*\*

OWNER/OPERATOR

WASTE TRANSPORTER

BES CRUI CO.

5) DISPOSAL SITE

3) ISSUE DATE

08/25/97

4) EXPIRATION DATE

11/25/97

7) PROJECT START DATE

08/26/97

PROJECT COMPLETE DATE

09/30/97

11) ESTIMATED ACM QUANTITY

0 FTO 50 FT972 CU FT

12) DESIGNATED DISPOSAL SITE

AMER WASTE - JEFF PAR

14) SIGNATURE

16) QUANTITY

SHIPPED 10

17) DATE PROJECT

COMPLETED

10-2-97

SHIPPING CLASSIFICATION

Asbestos, Class 9, NA2212, 111

RD = 1 lb (.454 Kg)

AMER WASTE JEFF PAR LANDFILL

18) DATE SHIPPED

10-2-97

19) PRINTED/TYPED NAME

JUAGUIN MARTINEZ

\*\*\*\*\*

TRANSPORTER

20) DATE RECEIVED

10-2-97

21) PRINTED/TYPED NAME

Chilton

\*\*\*\*\*

LANDFILL

22) QUANTITY RECEIVED

23) PRINTED/TYPED NAME

\*\*\*\*\*

24) SPECIAL CONDITIONS OR COMMENTS

21) SIGNATURE

Juaguin Martinez

23) DATE DELIVERED

10-2-97

25) SIGNATURE

Chilton

27) DATE BURIED

29) SIGNATURE

026236

06-1248-300



STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
P.O. Box 82135  
Baton Rouge, Louisiana 70884-2135

ADVF NO. 98443 02 C  
FRI:LOW  
FACILITY CODE  
1340 85728 534

ASBESTOS DISPOSAL VERIFICATION FORM

PROJECT LOCATION & STREET ADDRESS - ZIP		3) ISSUE DATE	
1248 (6) (6)		08/25/97	
PROJECT PHONE ( )		4) EXPIRATION DATE	
		11/29/97	
CONTRACTOR'S NAME & MAILING ADDRESS - ZIP		7) PROJECT START DATE	
QUALITY ENVIRON. CONTRACTORS 113 DNDINE LANE SLIDELL - LA - 70458		08/26/97	
CONTRACTOR'S PHONE (504) 646 0039		PROJECT COMPLETE DATE	
		09/30/97	
OWNER'S NAME AND MAILING ADDRESS - ZIP		11) ESTIMATED ACM QUANTITY	
JOHN MANSVILLE PROJ2 WESTBANK MULTIPLE SITES - LA - 70000		0 FTO 50 FT972 CU FT	
OWNER PHONE (214) 645 2270		12) DESIGNATED DISPOSAL SITE	
		AMER WASTE-JEFF PAR	
1) PRINTED/TYPED NAME		14) SIGNATURE	
THOMAS F. AIRHART, SR.		<i>TH</i>	
*****		*****	
2) WASTE TRANSPORTER		16) QUANTITY	
RES-EQUI CO		SHIPPED 10	
3) DISPOSAL SITE		17) DATE PROJECT COMPLETED	
		10 3 97	
MER WASTE-JEFF PAR-LANDFILL		SHIPPING CLASSIFICATION	
4) DATE SHIPPED		Asbestos, Class 9, NA2212.111	
10 3 97		RQ = 1 lb (.454 Kg)	
5) PRINTED/TYPED NAME		21) SIGNATURE	
JUANQUIN MARTINEZ		<i>Juanquin Martinez</i>	
*****		*****	
6) DATE RECEIVED		23) DATE DELIVERED	
10 3 97		10 3 97	
7) PRINTED/TYPED NAME		25) SIGNATURE	
*****		*****	
8) QUANTITY RECEIVED		27) DATE BURIED	
9) PRINTED/TYPED NAME		29) SIGNATURE	
*****		*****	
10) SPECIAL CONDITIONS OR COMMENTS			
26237			
PIES: WHITE-DEQ; GREEN-OWNER; YELLOW-LANDFILL; PINK-TRANSPORTER; RED-OWNER			

06-1248-300



STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
P.O. Box 82135  
Baton Rouge, Louisiana 70804-2135

ADVF NO. 98443 03 D  
PRI:LOW  
FACILITY CODE  
1340 85726 854

ASBESTOS DISPOSAL VERIFICATION FORM

1) PROJECT LOCATION & STREET ADDRESS - ZIP 1248 (b)(6)	3) ISSUE DATE 08/26/97
2) PROJECT PHONE (b)(6)	4) EXPIRATION DATE 11/26/97
5) CONTRACTOR'S NAME & MAILING ADDRESS - ZIP QUALITY ENVIRON. CONTRACTORS 113 OMDINE LANE SLIDELL - LA - 70458	7) PROJECT START DATE 08/26/97
6) CONTRACTOR'S PHONE (504) 646 0039	PROJECT COMPLETE DATE 09/30/97
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9) OWNER PHONE (214) 645 2270	12) DESIGNATED DISPOSAL SITE AMER WASTE-JEFF PAR
10) PRINTED/TYPED NAME THOMAS F. AIRHART, SR. ***** OWNER/OPERATOR 13) WASTE TRANSPORTER ES EQUI CO. 15) DISPOSAL SITE AMER WASTE-JEFF PAR-LANDFILL	14) SIGNATURE <i>THA</i> 16) QUANTITY SHIPPED 10 17) DATE PROJECT COMPLETED 10 3 97
18) DATE SHIPPED 10 3 97	SHIPPING CLASSIFICATION Asbestos, Class 9, NA2212, 111 RQ = 1 lb (.454 Kg)
19) PRINTED/TYPED NAME JUANQUIN MARTINEZ ***** TRANSPORTER 20) DATE RECEIVED 10-3-97	21) SIGNATURE <i>Juanquin Martinez</i> 23) DATE DELIVERED 10-3-97
22) PRINTED/TYPED NAME <i>Shirley H. H. H.</i> ***** LANDFILL 24) QUANTITY RECEIVED	25) SIGNATURE <i>Shirley H. H. H.</i> 27) DATE BURIED
26) PRINTED/TYPED NAME ***** SPECIAL CONDITIONS OR COMMENTS: 026238	28) SIGNATURE

06-1248-300



**EMSL Analytical, Inc.**

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894

**EMSL**

Attn.: Maggie Lin  
Ecology & Environmental  
11550 New Castle Avenue  
Baton Rouge, LA 70816

Tuesday, October 07, 1997

Ref Number: IN971295

**POLARIZED LIGHT MICROSCOPY (PLM)**

Performed by EPA 600/R-93/116 Method\*

Project: 020601 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	% FIBROUS	% NONFIBROUS
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\* NY samples also analyzed by ELAP 198-1 Method

Jane Wasilewski  
Analyst

Approved  
Signatory

026897

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Phone (317) 570-5892 Fax (317) 570-5894

**EMSL**

Attn.: Maggie Lin  
Ecology & Environmental  
11550 New Castle Avenue  
Baton Rouge, LA 70816

Tuesday, October 07, 1997

Ref Number: IN971295

**POLARIZED LIGHT MICROSCOPY (PLM)**

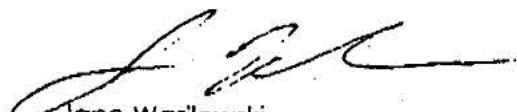
Performed by EPA 600/R-93/116 Method\*

Project: 020801 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	% FIBROUS	% NONFIBROUS
WBS1455G04	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1248G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile			80% Quartz 20% Other
WBS1248G02		Brown Non-Fibrous Homogeneous	Crushed	40% Chrysotile			20% Quartz 40% Other
WBS1248G03		Brown Non-Fibrous Homogeneous	Crushed	2% Chrysotile 1% Crocidolite			40% Quartz 57% Other
WBS1432G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile			40% Quartz 60% Other
WBS1312G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	30% Chrysotile			40% Quartz 30% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

\* NY samples also analyzed by ELAP 198-1 Method

  
Jane Wasilewski  
Analyst

  
Approved  
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP AK and Bulb #200188-0).

028715

07-1432-070

**EMSL Analytical, Inc.**

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Ecology & Environmental  
11550 New Castle Avenue  
Baton Rouge, LA 70816

Tuesday, October 07, 1997

Ref Number: IN971295

**POLARIZED LIGHT MICROSCOPY (PLM)**

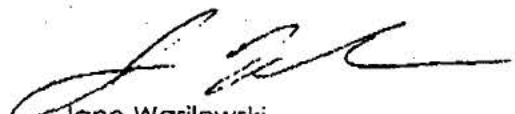
Performed by EPA 600/R-93/116 Method\*

Project: 020601 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	% FIBROUS	% NONFIBROUS
WBS1455G04	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1248G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile			80% Quartz 20% Other
WBS1248G02	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	40% Chrysotile			20% Quartz 40% Other
WBS1248G03	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	2% Chrysotile 1% Crocidolite			40% Quartz 57% Other
WBS1432G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	< 1% Chrysotile			40% Quartz 60% Other
WBS1312G01	(b) (6)	Brown Non-Fibrous Homogeneous	Crushed	30% Chrysotile			40% Quartz 30% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

\* NY samples also analyzed by ELAP 198-1 Method

  
Jane Wasilewski  
Analyst

  
Approved  
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Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

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07-1455-070